

**United Stat****Levy, Jr. et al.**11] **4,074,368**45] **Feb. 21, 1978****[54] INTRAOCULAR LENS WITH HIGH MAGNIFICATION**

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**[21] Appl. No.:** 721,198

**[22] Filed:** Sept. 8, 1976

**[51] Int. Cl.<sup>2</sup>** ..... A61F 1/16; A61F 1/24

**[52] U.S. Cl.** ..... 3/13; 350/211; 350/212

**[58] Field of Search** ..... 3/13, 1; 350/211, 212

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**[57] ABSTRACT**

A sub-miniature optical system, based in principle on the Galilean telescope, for implantation in the eye following surgical removal of the natural lens. The system is made of methyl methacrylate and includes so-called air-lenses formed by bubbles defined by optically curved surfaces within the acrylic bodies. The positive element is surgically secured adjacent to the pupil. The negative element is mechanically connected to the positive element, and extends from it to within a few millimeters of the retina at the rear of the eye. The strength of the positive element is approximately 126 diopters for cases where the cornea is retained, and the strength of the negative element is about -2000 diopters, more or less, depending on its spacing from the positive element.

**8 Claims, 2 Drawing Figures**

